

C6225149

MODEL 700™ M24

Model **700 M24™**

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M-24

SCONE #

1164

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225149

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8 9	9/88	FB
600	Proof	9	7/88	RW
607	Check Headspace	9	7/88	RW
610	Dis-assemble gun	6	7/88	RW
612	Magnaflux Barrel Action		9-14-88	pfe.
	Magnaflux Bolt		9-14-88	pfe.
615	Rollmark Caliber		10/12	WC
617	Drill & Tap Sight Holes		10/12	FB
618	Polish Barrel		10/20	WT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/4/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/4/88	RW
	C) Inspect Ejector Hole for Chamfer		11/4/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/4/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		9 NOV 88	JU
	F) Safety on Force	5 : 5 : 5	9 NOV 88	JS
	G) Safety off Force	3 : 2.5 : 3	9 NOV 88	JS
	H) Trigger Pull Test & Retainability		9 NOV 88	JU
	I) Firing Pin Indent	.021 : .0205 : .0205	9 NOV 88	JS
	J) Assemble Stock		11/9/88	RW
	K) Attach Front & Rear Sight Assemblies		11/9/88	RW
	L) Iron Sight Alignment		11/9/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/9/88	RW
	N) Attach Scope to Rifle		11/10/88	RW
	O) Detach & Attach Scope 20 times		10 NOV 88	JS
640	Gallery Target & Test	49 R 102 L	11/10/88	DH
	A) Optical Clarity of Scope		11/10/88	DH
645	Inspect for Live Ammo		11/10/88	DH
655	Final Inspection			
	A) Headspace		29 NOV 88	JS
	B) Trigger Pull	2.65 : 2.67 : 2.56	2.69 : 2.65	JS
	C) Function		29 NOV 88	JS
	D) Assemble Swivel Studs		29 NOV 88	JS
660	Pack		14 Dec 88	JS

0.2
SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225149

DATE 9 NOV 88

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.52	2.54	2.65	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.53	2.57	2.67	
PULL #3	2.49	2.54	2.59	2.56	
PULL #4	2.44	2.53	2.50	2.69	
PULL #5	2.47	2.56	2.55	2.65	
TOTAL	12.40	12.68	12.75	13.22	
AVG.	2.48	2.536	2.55	2.644	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.23		
PULL #2	3.25	3.18		
PULL #3	3.16	3.23		
PULL #4	3.28	3.22		
PULL #5	3.21	3.21		
TOTAL	16.17	16.07		
AVG.	3.234	3.214		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.12		4.10
PULL #2	4.01	4.16		4.00
PULL #3	4.16	4.14		4.14
PULL #4	4.11	4.07		4.18
PULL #5	4.14	4.13		4.21
TOTAL	20.67	20.62		20.63
AVG.	4.134	4.124		4.126

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225149

CENTROIDAL DISTANCES

Ø TO 1 .877226
1 TO 2 .234182
1 TO 3 .734896
1 TO 4 1.0253
1 TO 5 1.31502

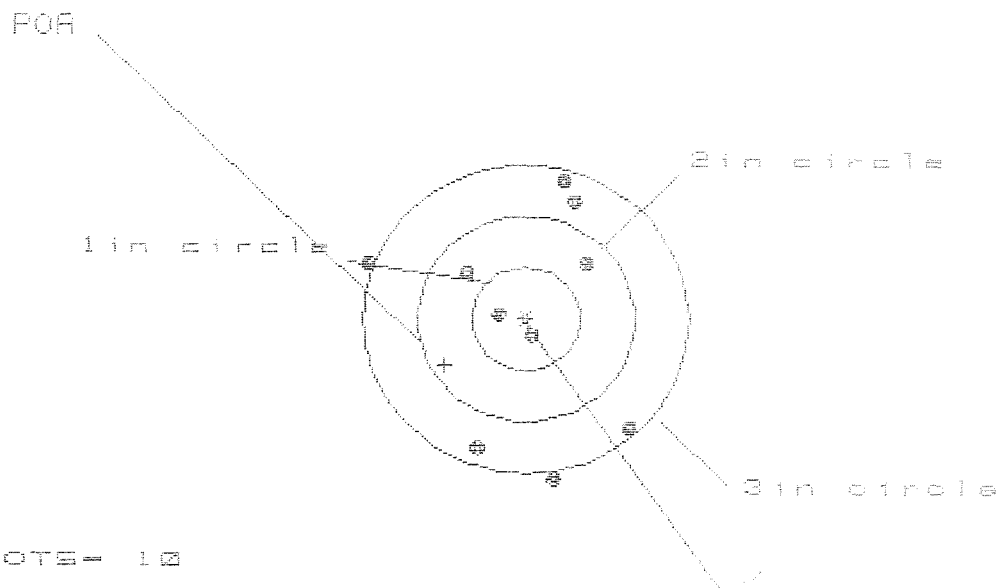
4
3
5
2
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4822
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .876
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .999946
THE AMR FOR THIS RIFLE IS: 1.051

10 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225149.1

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 8

HS = 2.402

VS = 2.881

GS = 2.908

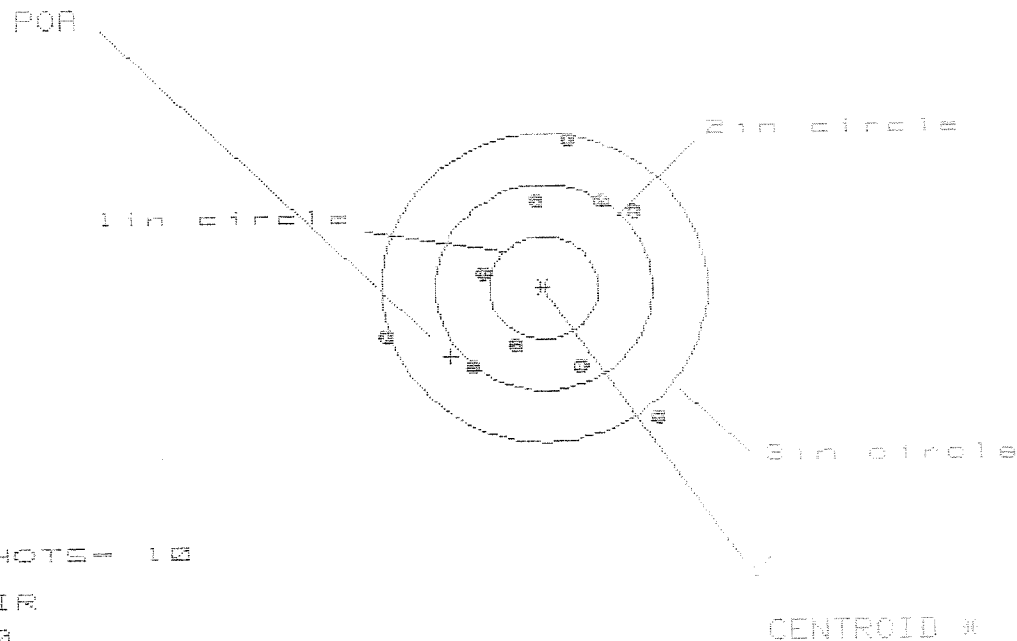
CENTROID #

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.952	.791	.799
MINIMUM X	:	-1.450	-.685	-.677
MAXIMUM Y	:	1.363	1.425	1.243
MINIMUM Y	:	-1.518	-1.456	-1.419
CENTROID X	:	.750	.911	.900
CENTROID Y	:	.453	.393	.575
POA TO CENTROID in.	:	.877	.992	1.070
MIN RADIUS	:	.165	.121	.278
MEAN RADIUS	:	1.046	.994	.921
MAX RADIUS	:	1.554	1.457	1.535
HORIZONTAL SPREAD	:	2.403	1.476	1.476
VERTICAL SPREAD	:	2.881	2.881	2.662
EXTREME SPREAD	:	2.908	2.886	2.787
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

18 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225149.1

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 6

2 in = 5

3 in = 8

HS = 2.456

VS = 2.696

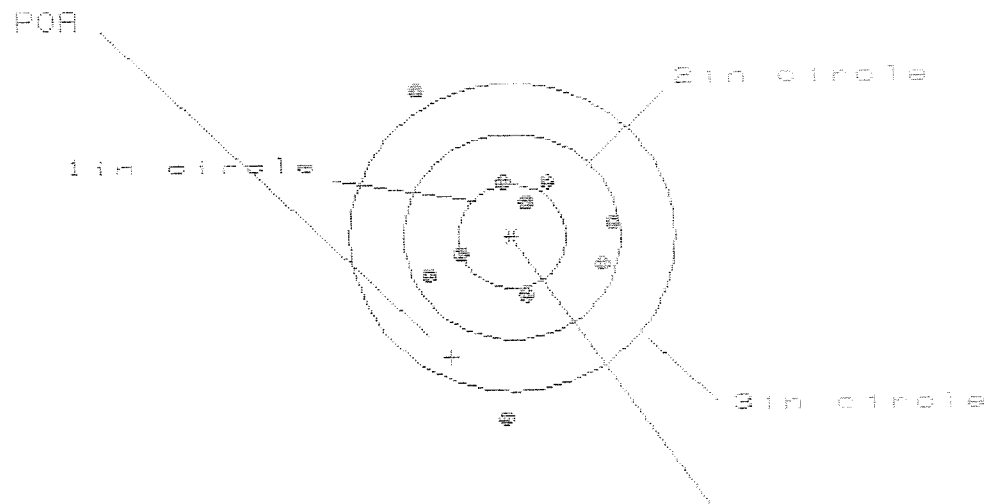
GS = 2.811

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.019	.926	.761
MINIMUM X	:	-1.437	-1.324	-.672
MAXIMUM Y	:	1.396	1.251	1.178
MINIMUM Y	:	-1.388	-.945	-1.018
CENTROID X	:	.865	.752	.917
CENTROID Y	:	.659	.804	.877
POA TO CENTROID in.	:	1.088	1.101	1.269
MIN RADIUS	:	.540	.408	.578
MEAN RADIUS	:	1.049	.966	.897
MAX RADIUS	:	1.652	1.449	1.220
HORIZONTAL SPREAD	:	2.456	2.250	1.433
VERTICAL SPREAD	:	2.696	2.196	2.196
EXTREME SPREAD	:	2.811	2.540	2.352
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CG225149.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 8

HE= 1.791

VS= 3.160

GS= 3.259

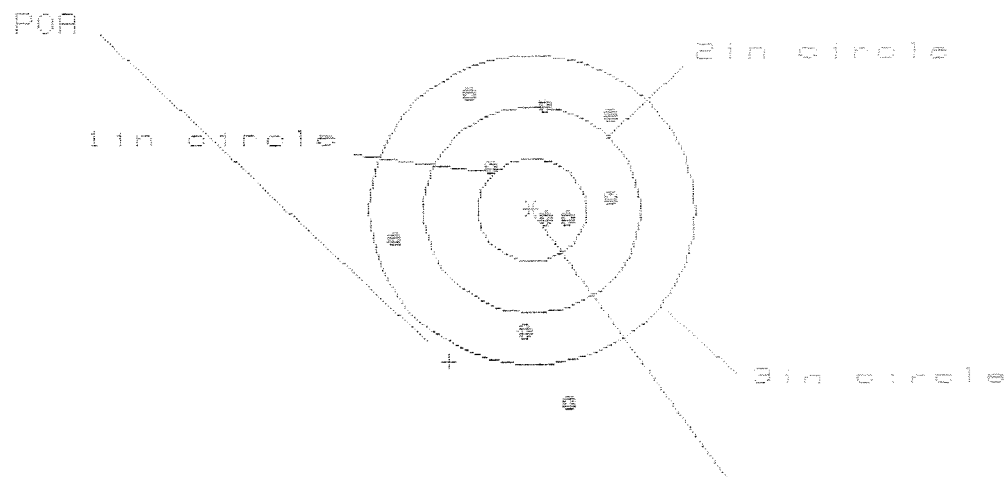
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.910	.901	.790
MINIMUM X	:	-.881	-.890	-.942
MAXIMUM Y	:	1.418	1.225	.537
MINIMUM Y	:	-1.742	-.719	-.566
CENTROID X	:	.576	.585	.696
CENTROID Y	:	1.169	1.362	1.209
POA TO CENTROID in.	:	1.303	1.483	1.395
MIN RADIUS	:	.375	.215	.296
MEAN RADIUS	:	.871	.749	.649
MAX RADIUS	:	1.744	1.514	1.018
HORIZONTAL SPREAD	:	1.791	1.791	1.732
VERTICAL SPREAD	:	3.160	1.944	1.103
EXTREME SPREAD	:	3.259	2.421	1.800
NUMBER IN ONE INCH CIRCLE	=	2	2	2
NUMBER IN TWO INCH CIRCLE	=	8	8	8
NUMBER IN THREE INCH CIRCLE	=	8	8	8

18 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225149.1

CENTERFIRE PATTERNS # 4



* OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 1.975

VS= 2.962

GS= 3.100

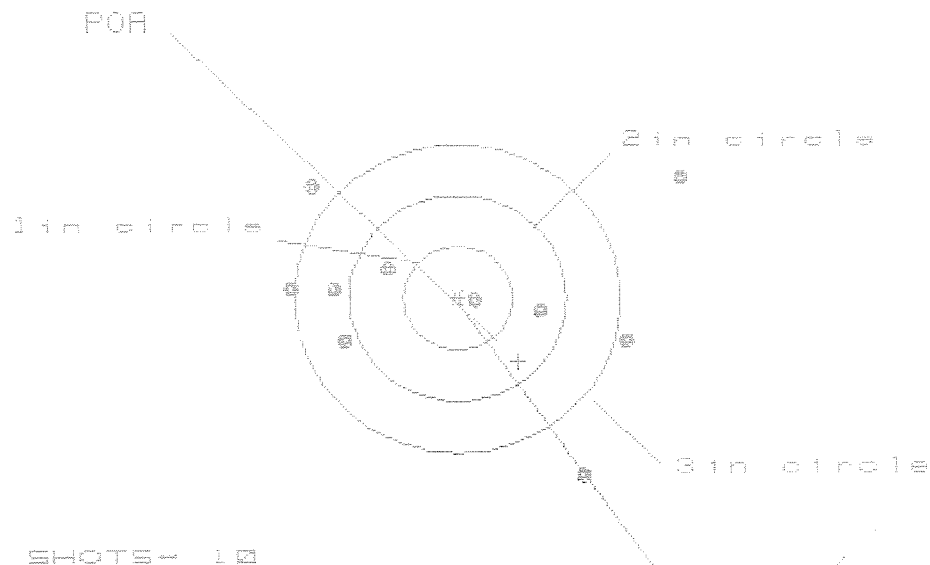
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.742	.775	.700
MINIMUM X	-1.233	-1.200	-1.272
MAXIMUM Y	1.116	.911	.889
MINIMUM Y	-1.846	-1.419	-1.386
CENTROID X	.775	.742	.814
CENTROID Y	1.480	1.685	1.572
POA TO CENTROID in.	1.671	1.841	1.770
MIN RADIUS	.206	.384	.249
MEAN RADIUS	.965	.854	.885
MAX RADIUS	1.871	1.420	1.326
HORIZONTAL SPREAD	1.975	1.975	1.975
VERTICAL SPREAD	2.962	2.330	2.195
EXTREME SPREAD	3.100	2.388	2.310
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 9		

10 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6225149.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 2.571

VS= 2.893

GS= 3.729

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.074	1.813	1.981
MINIMUM X	-1.497	-1.266	-1.098
MAXIMUM Y	1.160	1.174	.973
MINIMUM Y	-1.733	-1.604	-1.504
CENTROID X	-.555	-.786	-.954
CENTROID Y	.617	.468	.689
FOR TO CENTROID in.	.830	.925	1.177
MIN RADIUS	.150	.399	.319
MEAN RADIUS	1.322	1.185	1.019
MAX RADIUS	2.376	2.096	2.031
HORIZONTAL SPREAD	3.571	3.079	3.079
VERTICAL SPREAD	2.893	2.778	1.477
EXTREME SPREAD	3.729	3.725	3.270
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-24901

INITIAL CUSTOMER ORDER NO.

JJM

M-24 SNIPER

DATE RECEIVED

08/29/94

DATE OPENED

08/30/94

DATE CODE

DI 9-88

SERIAL NUMBER

C6225149

NEW SERIAL NUMBER

MODEL AND GRADE

700 7.62

NATO

ACCESSORIES

W/STUDS

SCOPE BASE

FROM:

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS

WA 98433

SHIP TO:

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS

WA

98433

CUST NO:062072 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

New Barrel

PARTS

COMMENTS

Barrel
Mag Spring96063
15677Repowder Coat Trigger Guard
Assy Front & Rear Sight Bases
Reint Scope Base Rings &
Swivel Studs

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

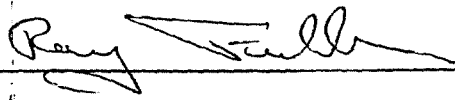
DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400050139

PACKING LIST		PACKED BY Mr. Ray Fuller WG-10 Bn. Armorer.	1. NO. BOXES /	2a. REQUISITION NO. 94236		
				2b. ORDER NO.		
3. END ITEM 7.62mm M24 Sniper Weapons System (SW5)				4. DATE 26 July 1994		
				5. PAGE 1 OF 1 PAGES		
BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)	UNIT OF ISSUE (c)	QUANTITIES REQUIRED			
			INITIAL OPERATION (d)	RUNNING SPARES (e)	TOTAL (f)	
	7.62mm M24 Sniper Weapon System (SW5) Serial No. <u>C6225149</u> NSN: 1005-01-240-2136 <u>Note: All Optic Scope</u> <u>Ring mounts Packed</u>	Ea			1	
6. THIS CERTIFIES THAT ITEMS LISTED HEREON ARE WITHIN THE SPECIFIED BOXES						
TYPED NAME AND TITLE Ray Fuller WG-10 Bn Armorer			SIGNATURE 			

DD FORM 1750
1 SEP 70

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400050140

MAINTENANCE REQUEST				PAGE NO. 1	NO. OF PAGES	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG									
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO. 94236		WESDC		ORG. PD 02		PD AUTHENTICATION DHAH CPT W	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION Bn Arms HHC 375 Rgr Rgt.		B. LOCATION Fort Lewis Wn			C. UNIT IDENT/ CODE WH3MFA		
2. SERIAL NO. C6225149		3. NOUN NOMENCLATURE M24 SWJ		4. LINE NO.		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY Remington Arms Co. Custom Shop		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)					15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)				
☐ A Sch. Main. ☒ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☐ D Normal Op ☐ F Inspection ☐ H Other					☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☒ Other				
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). This weapon has fired over 10,000 Rds. During Bench Rest Test Firing at 200/300 yds, groups were not exceeding the 2.6" at 200 to 3.8 at 300 yds. (5-10 Rd Groups) This criterion was provided us by Mr Jim Glenn ARDCE ASN 880-7071.									
B. REMARKS Request ReBarreling and Complete Weapon Reconditioning.									
SECTION II - WORK ACCOMPLISHED									
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)		19. AMS ACCT. CODE	
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor			
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.	H. PARTS COST
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE					
					.				\$
					.				\$
					.				\$
					.				\$
					.				\$
					.				\$
					.				\$
					.				\$
					.				\$
					.				\$
					.				\$
					.				\$
					I. TOTAL MANHOURS	J. TOTAL MANHOURS COST \$	K. TOTAL PARTS COST \$		
21. DELAY (Select One)		☐ 1 Parts		☐ 2 Manpower		☐ 3 Facilities		☐ 4 Funds	
22.		Data Transcribed							
23. SUBMITTED BY Ray Enkle		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY	
JULIAN DATE 4235		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE	
28. DISPOSITION (Select One) ☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged									

Final Inspection

Sn: C6225/49

DATE REC'D: 8/29/94

DATE RET'D:

AUDITOR: AW

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☐ Scope☐ Scope Rings☐ Mounting Screws☐ Mounting Base☐ Screws☐ Finish☐ Looseness☐ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ Scope Case☐ IRON SIGHTS☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments: _____

CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6225149

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		9/2/94	RW
600	Proof		9/2/94	RW
607	Check Headspace		9/2/94	RW
610	Dis-assemble Gun		9/2/94	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/9/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/9/94	RW
	C) Inspect Ejector Hole for Chamfer		9/9/94	RW
	D) Oil Firing Pin Ass'y		9/9/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/9/94	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						9/13/94	WB
	A) Time						9/13/94	WB
	B) Malfunctions						9/15/94	WB
	C) Pierced Primers						9/13/94	WB
	D) Optical Clarity of Scope						9/13/94	WB
645	Inspect for Live Ammo						9/13/94	RW
655	Final Inspection							
	A) Headspace						9/14/94	RW
	B) Trigger Pull	2.67	2.70	2.73	2.71	2.76	9/14/94	RW
	C) Function						9/14/94	RW
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225149
15 Sep 1994

CENTROIDAL DISTANCES

0 TO 1	.177023
1 TO 2	.0470106
1 TO 3	.187257
1 TO 4	.497425
1 TO 5	.270815

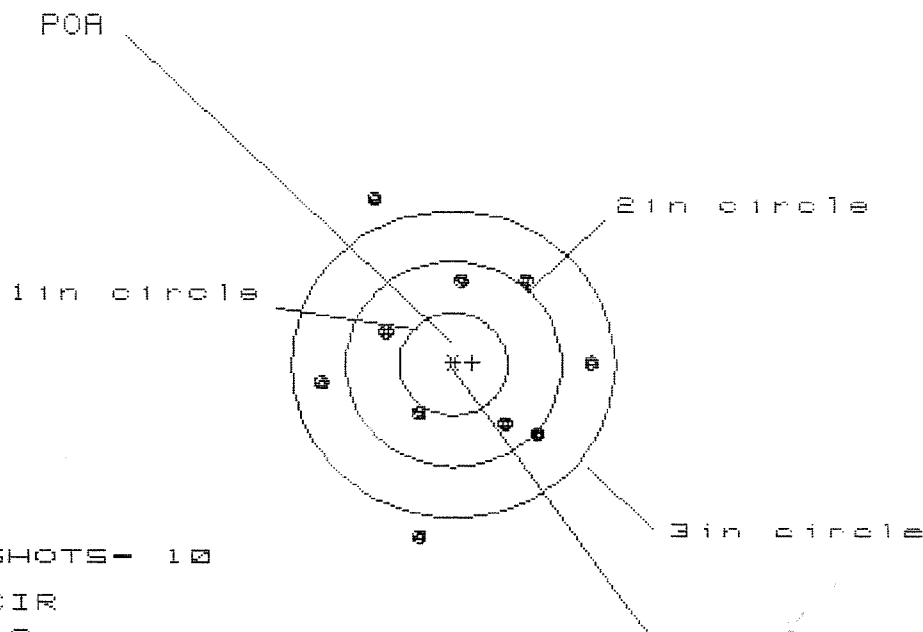
*** <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .016
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0034
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0163573
THE AMR FOR THIS RIFLE IS: .8936

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225143

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 2.463

VS= 3.341

GS= 3.370

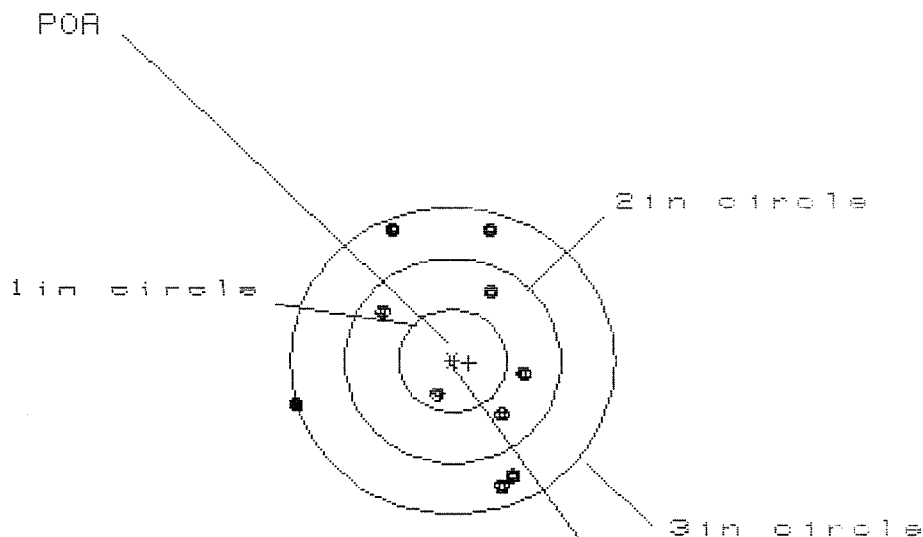
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.238	1.154	1.105
MINIMUM X	:	-1.225	-1.309	-1.358
MAXIMUM Y	:	1.622	1.025	.833
MINIMUM Y	:	-1.719	-1.539	-.713
CENTROID X	:	-.176	-.092	-.043
CENTROID Y	:	-.019	-.199	-.007
POA TO CENTROID in.	:	.177	.220	.044
MIN RADIUS	:	.553	.485	.647
MEAN RADIUS	:	1.090	.997	.916
MAX RADIUS	:	1.788	1.588	1.366
HORIZONTAL SPREAD	:	2.463	2.463	2.463
VERTICAL SPREAD	:	3.341	2.564	1.546
EXTREME SPREAD	:	3.370	2.713	2.469
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C6225149

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.107

VS= 2.541

GS= 2.709

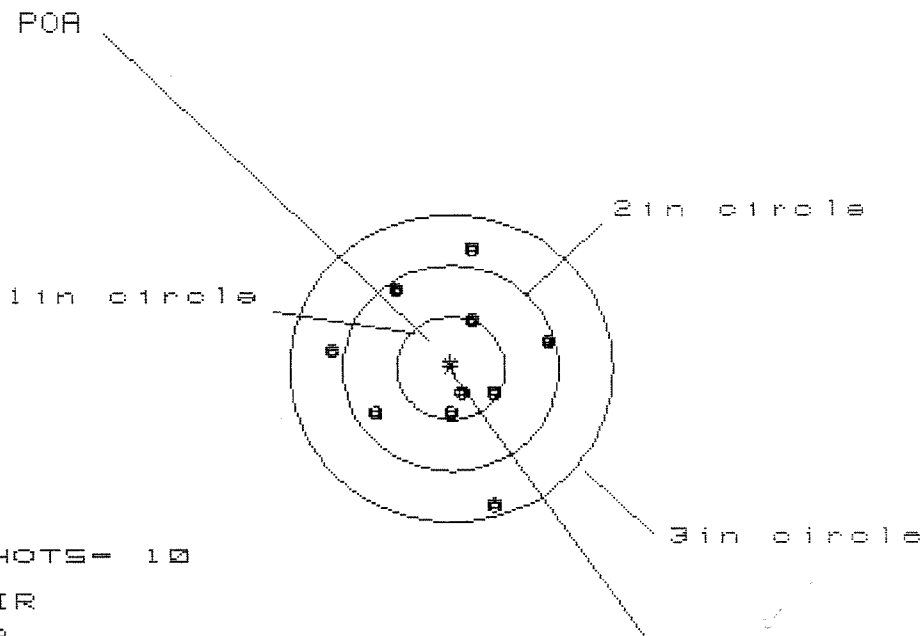
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.633	.469	.383
MINIMUM X	:	-1.474	-.860	-.946
MAXIMUM Y	:	1.306	1.264	1.375
MINIMUM Y	:	-1.235	-1.277	-1.119
CENTROID X	:	-.153	.011	.097
CENTROID Y	:	.022	.064	-.094
POA TO CENTROID in.	:	.154	.065	.135
MIN RADIUS	:	.317	.436	.385
MEAN RADIUS	:	1.011	.940	.850
MAX RADIUS	:	1.521	1.437	1.383
HORIZONTAL SPREAD	:	2.107	1.329	1.329
VERTICAL SPREAD	:	2.541	2.541	2.494
EXTREME SPREAD	:	2.709	2.709	2.494
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.002

VS= 2.502

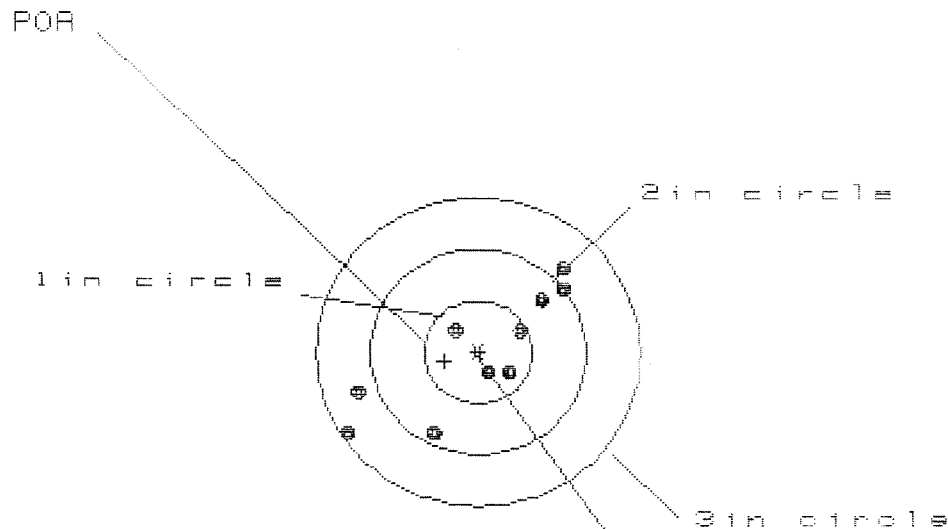
GS= 2.507

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.932	.976	1.012
MINIMUM X	:	-1.070	-1.026	-.990
MAXIMUM Y	:	1.215	1.072	.719
MINIMUM Y	:	-1.287	-.621	-.488
CENTROID X	:	.005	-.039	-.075
CENTROID Y	:	-.067	.076	-.057
POA TO CENTROID in.	:	.067	.086	.094
MIN RADIUS	:	.293	.393	.335
MEAN RADIUS	:	.815	.764	.701
MAX RADIUS	:	1.347	1.109	1.043
HORIZONTAL SPREAD	:	2.002	2.002	2.002
VERTICAL SPREAD	:	2.502	1.693	1.206
EXTREME SPREAD	:	2.507	2.005	2.005
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 6

3 in = 10

HS= 2.083

VS= 1.619

GS= 2.593

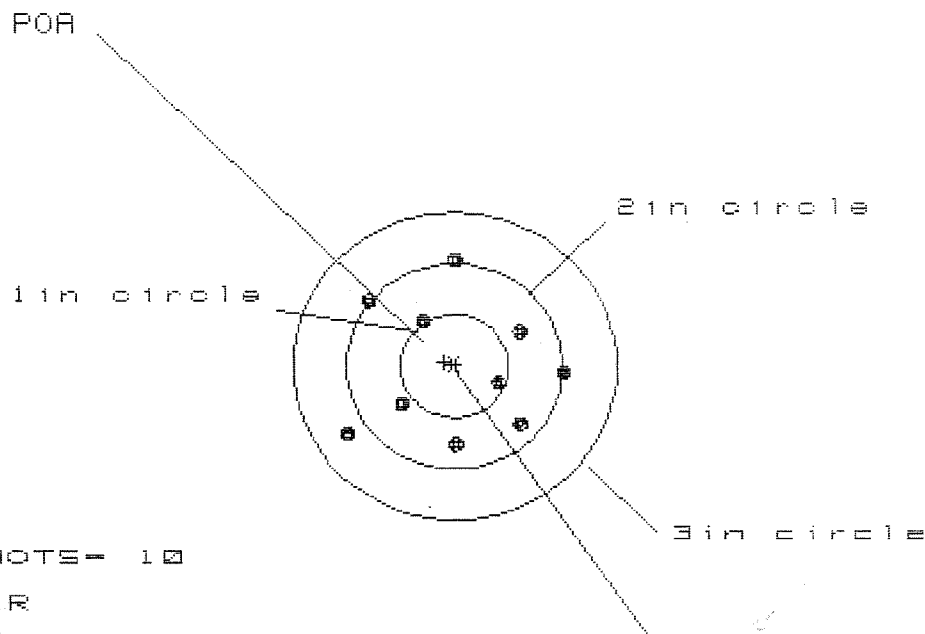
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.830	.691	.540
MINIMUM X	:	-1.253	-1.208	-.657
MAXIMUM Y	:	.819	.730	.666
MINIMUM Y	:	-.800	-.833	-.897
CENTROID X	:	.310	.449	.600
CENTROID Y	:	.087	.175	.239
POA TO CENTROID in.	:	.322	.482	.646
MIN RADIUS	:	.209	.254	.097
MEAN RADIUS	:	.762	.655	.549
MAX RADIUS	:	1.487	1.310	1.112
HORIZONTAL SPREAD	:	2.083	1.899	1.197
VERTICAL SPREAD	:	1.619	1.563	1.563
EXTREME SPREAD	:	2.593	2.219	1.935
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.958

VS= 1.740

GS= 2.045

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.009	.904	.790
MINIMUM X	:	-.949	-.908	-.721
MAXIMUM Y	:	1.018	.946	1.015
MINIMUM Y	:	-.722	-.794	-.725
CENTROID X	:	.094	.199	.313
CENTROID Y	:	-.040	.032	-.037
POA TO CENTROID in.	:	.102	.202	.315
MIN RADIUS	:	.403	.341	.208
MEAN RADIUS	:	.790	.739	.676
MAX RADIUS	:	1.149	1.066	1.036
HORIZONTAL SPREAD	:	1.958	1.812	1.511
VERTICAL SPREAD	:	1.740	1.740	1.740
EXTREME SPREAD	:	2.045	1.938	1.741
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	